

0590
1026

#2

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/970,624

DATE: 10/17/2001
 TIME: 10:31:38

Input Set : A:\1263.SEQLIST.TXT
 Output Set: N:\CRF3\10172001\I970624.raw

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 6 <120> TITLE OF INVENTION: A Nitrate-Responsive Root
 7 Transcriptional Factor
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 C--> 11 <141> CURRENT FILING DATE: 2001-10-04
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 12 <151> PRIOR FILING DATE: 2000-10-05
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 34 atg ggg agg gga aag atc gtg atc cgc agg atc gat aac tcc acg acg 407
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 36 1 5 10 15 60
 37 20 25 30 35 403
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Output Set: N:\CRF3\10172001\I970624.raw

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68	130	135	140	
70	ttg ata gat gag att cac gat ttg aat cga aag gca agt tta ttt cac			839
71	Leu Ile Asp Glu Ile His Asp Leu Asn Arg Lys Ala Ser Leu Phe His			
72	145	150	155	160
74	caa gaa aat aca gac ttg tac aat aag atc aac ctg att cgc caa gaa			887
75	Gln Glu Asn Thr Asp Leu Tyr Asn Lys Ile Asn Leu Ile Arg Gln Glu			
76	165	170	175	
78	aat gat gag tta cat aaa aag ata tat gag act gaa gga cca agt gga			935
79	Asn Asp Glu Leu His Lys Lys Ile Tyr Glu Thr Glu Gly Pro Ser Gly			
80	180	185	190	
82	gtt aat cgg gag tca ccg act cca ttc aac ttt gca gta gta gaa acc			983
83	Val Asn Arg Glu Ser Pro Thr Pro Phe Asn Phe Ala Val Val Glu Thr			
84	195	200	205	
86	aga gat gtt cct gtg caa ctt gaa ctc agc aca ctg cca cag caa aat			1031
87	Arg Asp Val Pro Val Gln Leu Glu Leu Ser Thr Leu Pro Gln Gln Asn			
88	210	215	220	
90	aac att gag cca tct act gct cct aag cta gga ttg caa tta att cca			1079
91	Asn Ile Glu Pro Ser Thr Ala Pro Lys Leu Gly Leu Gln Leu Ile Pro			
92	225	230	235	240
94	tga agaagagtaa aactgccgtc ttatgatgct gaaggaaact atttatttgt			1132
95	*			
W--> 98	aagagatgat actcagagaa agacatattt gtggcaggg aatttgagat atgaacttat			1192
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105	<213> ORGANISM: Zea mays			
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111	20	25	30	
112	Lys Glu Leu Ala Ile Leu Cys Asp Ala Glu Val Gly Leu Val Ile Phe			
113	35	40	45	
114	Ser Ser Thr Gly Arg Leu Tyr Glu Tyr Ser Ser Thr Ser Met Lys Ser			
115	50	55	60	
116	Val Ile Asp Arg Tyr Gly Lys Ala Lys Glu Glu Gln Gln Val Val Ala			
117	65	70	75	80
118	Asn Pro Asn Ser Glu Leu Lys Phe Trp Gln Arg Glu Ala Ala Ser Leu			
119	85	90	95	
120	Arg Gln Gln Leu His Asn Leu Gln Glu Asn Tyr Arg Gln Leu Thr Gly			
121	100	105	110	
122	Asp Asp Leu Ser Gly Leu Asn Val Lys Glu Leu Gln Ser Leu Glu Asn			
123	115	120	125	
124	Gln Leu Glu Thr Ser Leu Arg Gly Val Arg Ala Lys Lys Asp His Leu			

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125	130	135	140	
126	Leu Ile Asp Glu Ile His Asp Leu Asn Arg Lys Ala Ser Leu Phe His			
127	145	150	155	160
128	Gln Glu Asn Thr Asp Leu Tyr Asn Lys Ile Asn Leu Ile Arg Gln Glu			
129	165	170	175	
130	Asn Asp Glu Leu His Lys Lys Ile Tyr Glu Thr Glu Gly Pro Ser Gly			
131	180	185	190	
132	Val Asn Arg Glu Ser Pro Thr Pro Phe Asn Phe Ala Val Val Glu Thr			
133	195	200	205	
134	Arg Asp Val Pro Val Gln Leu Glu Leu Ser Thr Leu Pro Gln Gln Asn			
135	210	215	220	
136	Asn Ile Glu Pro Ser Thr Ala Pro Lys Leu Gly Leu Gln Leu Ile Pro			
137	225	230	235	240

VERIFICATION SUMMARY
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L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:98 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1